

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT APPLICATION TRANSMITTAL FORM  
(*only for new nonprovisional applications under 37 CFR 1.53(b)*)



COMMISSIONER FOR PATENTS  
Washington, D.C. 20231  
**BOX: PATENT APPLICATION**

SIR:

Transmitted herewith for filing is the patent application (including Specification, Claims, and Abstract, 90 pages) of:

Inventor(s): **Francis Barany, George Barany, Robert P. Hammer, Maria Kempe, Herman Blok, Monib Zirvi**

For : **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE  
LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS**

*\*\*If a CONTINUING APPLICATION, please mark where appropriate and supply the requisite information below and in a preliminary amendment:*

☐ Continuation ☒ Divisional ☐ Continuation-In-Part (CIP)  
of prior application Serial No. **08/794,851**

Prior application information: Examiner : **P. Ponnaluri**  
Art Unit : **1627**

Enclosed are:

- ☒ 34 sheets of formal drawings with submission document.
- ☐ **Signed** Combined Declaration and Power of Attorney (\_\_\_\_\_ pages).
- ☒ **Copy** of **signed** Combined Declaration and Power of Attorney (8 pages) from a prior application (1.63(d) (for continuation/divisional).
- ☐ **Signed** statement deleting inventor(s) named in prior application (\_\_\_\_\_ pages) (1.63(d)(2) and 1.33(b)).
- ☒ **Incorporation By Reference:** The entire disclosure of the prior application, from which a **copy** of the oath or declaration is supplied herewith, is considered as being part of the disclosure of the enclosed application and is hereby incorporated by reference therein.
- ☐ Assignment (\_\_\_\_\_ pages) of the invention to \_\_\_\_\_.
- ☐ Assignment Transmittal Letter.
- ☐ Certified copy of a foreign priority document.
- ☐ Associate power of attorney.
- ☐ Applicant claims small entity status. (See 37 CFR 1.27.)

- ☒ Preliminary Amendment (5 pages) with Appendix A (4 pages).
- ☒ Information Disclosure Statement, form PTO-1449 (8 pages) and 84 references (references not attached).
- ☐ **UNSIGNED** Combined Declaration and Power of Attorney (\_\_\_\_\_ pages).
- ☒ Statement in Accordance with 37 CFR § 1.821(f) and computer readable 3.5" Diskette.
- ☒ Paper copy of Sequence Listing (5 pages).
- ☒ A self-addressed, prepaid postcard acknowledging receipt.
- ☐ Other:

The Filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	SMALL ENTITY			LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	OR	RATE	FEE
BASIC FEE	XXXXXXXX	XXXXXXXX	XXXX	\$355	OR	XXXX	\$710
TOTAL CLAIMS	18 - 20 =	0	x 9 =	\$	OR	x 18 =	\$
INDEP CLAIMS	1 - 3 =	0	x 40 =	\$	OR	X80 =	\$
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			x135 =	\$	OR	x270 =	\$
*If the Total Claims are less than 20 and Indep. Claims are less than 3, enter "0" in Col. 2			TOTAL	\$	OR	TOTAL	\$710

- ☒ A check in the amount of **\$710.00** to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1138. **A duplicate copy of this sheet is enclosed.**
- ☒ Address all future communications to:

Michael L. Goldman  
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Clinton Square, P.O. Box 31051  
Rochester, New York 14603

Date: September 26, 2001

Georgia Evans  
Georgia Evans  
Registration No. 44,597

NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603  
Telephone: (716) 263-1672  
Facsimile: (716) 263-1600

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 19603/3356 (CRF D-1595F)  
APPLICANTS: Francis Barany, George Barany, Robert P. Hammer,  
Maria Kempe, Herman Blok, and Monib Zirvi  
TITLE: DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the **Utility Patent Application Transmittal Letter**  
(2 pages) of the above-named application.

EXPRESS MAIL NUMBER: EL710758050US  
DATE OF DEPOSIT: September 26, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal  
Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date  
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Box: Patent Application.

Jane C. Wirszyla  
(Typed or printed name of person  
mailing paper or fee)

Jane C. Wirszyla  
(Signature of person mailing paper  
or fee)

**EXPRESS MAIL CERTIFICATE**

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TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE  
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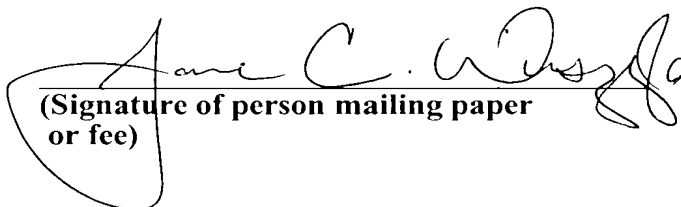
Certificate is attached to the **Submission of Formal Drawings with 34 sheets of  
drawings** of the above-named application.

EXPRESS MAIL NUMBER: **EL710758050US**

DATE OF DEPOSIT: **September 26, 2001**

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**Jane C. Wirszyla**  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
or fee)

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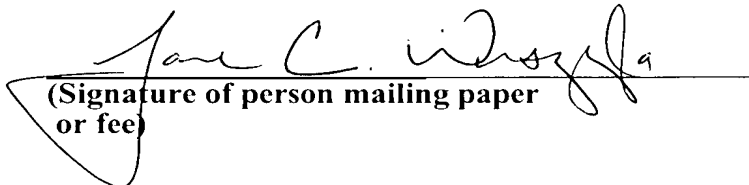
Certificate is attached to the **Patent Application including specification, claims,  
and abstract (90 pages)**, as filed in the prior application of the above-named application.

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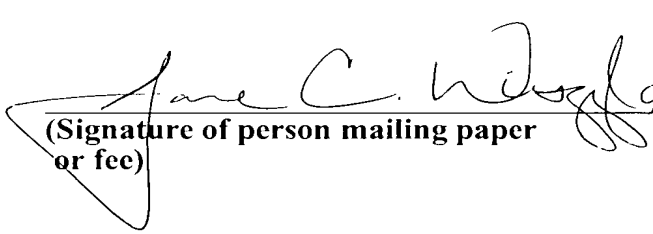
Certificate is attached to the copy of the **SIGNED Combined Declaration and  
Power of Attorney Form (8 pages)** as filed in the prior application of the above-named  
application.

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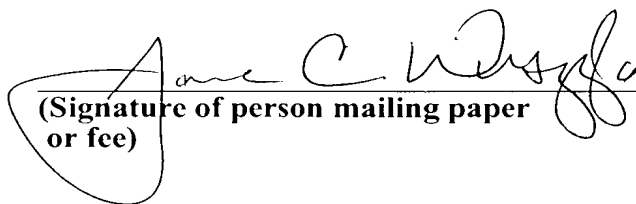
Certificate is attached to the **Preliminary Amendment (5 pages) with Appendix A (4 pages)** of the above-named application.

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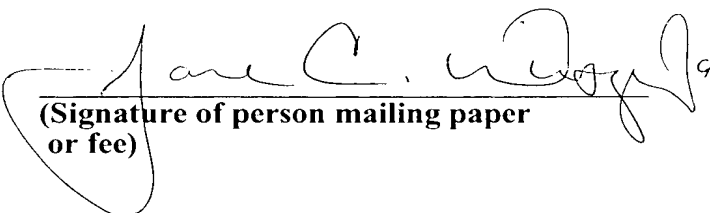
Certificate is attached to the Statement in Accordance with 37 CFR § 1.821(f)  
(1 page), paper copy of Sequence Listing (5 pages) and computer readable 3.5" diskette  
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PATENT

Docket No.: 19603/3356 (CRF D-1595F)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Barany et al.	)	Examiner:
		)	To Be Assigned
Serial No. :	To Be Assigned	)	
		)	Art Unit:
Cnfrm. No. :	To Be Assigned	)	To Be Assigned
		)	
Filed :	Herewith	)	
		)	
For :	DETECTION OF NUCLEIC ACID SEQUENCE	)	
	DIFFERENCES USING THE LIGASE	)	
	DETECTION REACTION WITH	)	
	ADDRESSABLE ARRAYS	)	

SUBMISSION OF FORMAL DRAWINGS

Commissioner for Patents  
Washington, D.C. 20231  
**Box: Patent Application**

Dear Sir:

Enclosed for filing in the subject application are 34 sheets of formal drawings.

Respectfully submitted,

Date: September 26, 2001

Georgia Evans  
Georgia Evans  
Registration No. 44,597

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Rochester, New York 14603  
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